

Title (en)  
Water halogenating process

Title (de)  
Verfahren zum Halogenieren von Wasser

Title (fr)  
Procédé d'halogénéation de l'eau

Publication  
**EP 2163523 A1 20100317 (DE)**

Application  
**EP 09010470 A 20090813**

Priority  
DE 202008011925 U 20080906

Abstract (en)  
The device comprises a sieve (14) for receiving a halide-containing solid substance (16), a device (18) for spraying the solids with water, a collecting tank (10) arranged below the sieve to which an outlet line (28) is connected at a distance above the base (24), and a control device to activate the spraying device until a certain level in the collecting tank is reached, and to open the outlet line after a certain settling period for guiding the halogenated water from the collecting tank. The outlet line connects the collecting tank with a product tank. The device comprises a sieve (14) for receiving a halide-containing solid substance (16), a device (18) for spraying the solids with water, a collecting tank (10) arranged below the sieve to which an outlet line (28) is connected at a distance above the base (24), and a control device to activate the spraying device until a certain level in the collecting tank is reached and to open the outlet line after a certain settling period for guiding the halogenated water from the collecting tank. The outlet line connects the collecting tank with a product tank. The control device is designed to control the discharge of the product tank and transfer of the halogenated water from the collecting tank into the product tank. A cleaning opening (26) is arranged at the deepest position of the base of the collecting tank.

Abstract (de)  
Vorrichtung zum Halogenieren von Wasser, mit einem Sieb (14) zur Aufnahme von halogenidhaltigen Feststoffen (16), einer Sprüheinrichtung (18) zum Besprühen der Feststoffe mit Wasser, und einem unter dem Sieb (14) angeordneten Auffangbecken (10), an das in Abstand oberhalb des Bodens (24) eine Auslaßleitung (28) angeschlossen ist, dadurch gekennzeichnet, daß eine Steuereinrichtung (40) dazu vorgesehen ist, die Sprüheinrichtung (18) zu aktivieren, bis ein bestimmter Füllstand in dem Auffangbecken (10) erreicht ist, und dann nach Ablauf einer gewissen Absetzzeit die Auslaßleitung (28) zu öffnen, um das halogenierte Wasser aus dem Auffangbecken (10) abzuleiten.

IPC 8 full level  
**C02F 1/68** (2006.01); **C02F 1/76** (2006.01)

CPC (source: EP)  
**B01F 21/22** (2022.01); **B01F 21/30** (2022.01); **C02F 1/688** (2013.01); **C02F 1/76** (2013.01); **C02F 1/008** (2013.01); **C02F 2103/42** (2013.01); **C02F 2209/42** (2013.01)

Citation (applicant)  
DE 60206805 T2 20060720 - BARCHEMICALS DI BARANI CORRADO [IT]

Citation (search report)  
• [XD] WO 03066534 A1 20030814 - BARCHEMICALS DI BARANI CORRADO [IT], et al  
• [X] GB 2403947 A 20050119 - MAPAL INTRO LTD [IL]  
• [A] US 6337024 B1 20020108 - HAMMONDS CARL L [US]  
• [AP] WO 2009063160 A1 20090522 - GAFFEY TECHNICAL SERVICES LTD [GB], et al

Cited by  
EP3284881A1; DE202010014255U1; EP2497753A1; DE202014104351U1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

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**EP 2163523 A1 20100317**; **EP 2163523 B1 20110216**; AT E498586 T1 20110315; DE 202008011925 U1 20100211; DE 502009000377 D1 20110331; ES 2360981 T3 20110610

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**EP 09010470 A 20090813**; AT 09010470 T 20090813; DE 202008011925 U 20080906; DE 502009000377 T 20090813; ES 09010470 T 20090813